Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/11/2017 11:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124529	-1	1.58	124437	1.54
Blue	F	SSC	125000	123940	-1	3.12	124210	2.87
Blue	E	FITC	23795	22994	-4	2.76	1024	10.62
Blue	D	PE	29673	29171	-2	2.32	1049	10.36
Blue	B	PerCP-Cy5-5	48943	47697	-3	3.71	1369	17.90
Blue	A	PE-Cy7	44112	44241	0	5.41	678	37.57
Red	C	APC	54273	53484	-2	2.81	3087	9.64
Red	A	APC-Cy7	54945	54406	-1	2.86	1128	11.35
Violet	B	V450	15756	14991	-5	3.92	719	9.22
Violet	A	V500	62569	61270	-3	3.68	2717	6.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19359	3.16	614	0	N/A	N/A	Pass
Blue	F	SSC	61271	1.86	548	2	N/A	N/A	Pass
Blue	E	FITC	114	39.65	550	0	0.0195	149	Pass
Blue	D	PE	229	30.17	548	2	0.1417	226	Pass
Blue	B	PerCP-Cy5-5	212	47.56	638	-1	0.0089	83	Pass
Blue	A	PE-Cy7	72	129.04	696	-3	0.0107	17	Pass
Red	C	APC	362	28.13	601	1	0.0194	66	Pass
Red	A	APC-Cy7	123	41.96	579	-5	0.0055	1813	Pass
Violet	B	V450	87	42.15	473	1	0.0411	1636	Pass
Violet	A	V500	198	22.46	502	3	0.0146	408	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.53	-31.06	0.86
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	16.76	13.27 - 19.91	N/A	N/A	31.10	31.63	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9914

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments